



Project: Alaska Copper Works

Inspection Date: 1/16/20

Project No.: 19ACW1

Technician: Elaine Lytle

System Performance:

Was system running during the inspection? ☒ Yes ☐ No

Flow Rates (gpm)	Influent	<u>205.2</u>	Effluent	<u>145</u>	The flows should be ~155 gpm
Bag Filter #1 Pressures (psi)	Influent	<u>20</u>	Effluent	<u>15</u>	The bag filters should be replaced if differential pressure > 8 psi
Bag Filter #2 Pressures (psi)	Influent	<u>20</u>	Effluent	<u>16</u>	
Carbon Filter Pressures (Lead)	Influent	<u>10</u>	Effluent	<u>4</u>	The carbon filters should be backflushed if differential pressure > 8 psi
Carbon Filter Pressures (Lag)	Influent	<u>3</u>	Effluent	<u>0</u>	

Were the bag filters replaced? ☐ Yes ☒ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No issues
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Reading properly
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Reading properly
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No leaks
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Running properly
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Clean other than used cartridge filters on ground
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1 full 55 gallon drum, one empty
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	All there in job box
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Verified. Raw water reading 7.63.



Water Sampling:

Were water samples taken? ☒ Yes ☐ No

Raw water:	pH	<u>6.88</u>	Turbidity	<u>16.3</u>	NTU
Bag Filter Influent	pH	<u>7.68</u>	Turbidity	<u>12.4</u>	NTU
Bag Filter Effluent	pH	<u>8.02</u>	Turbidity	<u>11.1</u>	NTU
Carbon Filter Influent	pH	<u>7.23</u>	Turbidity	<u>8.68</u>	NTU
Carbon Filter Effluent	pH	<u>6.73</u>	Turbidity	<u>7.47</u>	NTU

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: N/A

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

Sludge Depth (inches):

Decant Tank:	<u>N/A</u>
Treatment tank:	<u>N/A</u>
Backflush tank:	<u>N/A</u>
Main lift station:	<u>N/A</u>
North lift station:	<u>N/A</u>
South lift station:	<u>N/A</u>

Additional Comments, Recommendations and System Upsets:

Took out of freeze protection. All three lift stations were running.

Elaine Lytle

Technician

Water Treatment Tech

Title

1/16/20

Date

Submit